

REMARKS**I. Status of the Claims**

Claims 1, 2, 5, 6, 8, 10, 16 and 20 are amended

Claims 1-8, 10-12, 16, 17 and 20 are pending.

II. Support for claim amendments

Support for the claim amendments can be found at least in Table 5 of the application as filed. The SEQ ID NO: 143 corresponds to the probe designated as A8.

III. Allowability and Rejoining:

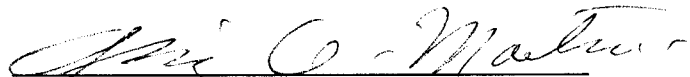
The examiner via telephone indicated that the sequence corresponding to SEQ ID NO: 143 was not found in the art and would consider allowing the claims if they were amended to include this sequence. In addition, a §1.132 Declaration is filed to show that the GenBank Accession No. AF267884 was the work of the inventors of the present application. In addition, related method claims are being rejoined and these method claims are amended to depend from the microarray claim 10.

A terminal disclaimer is also concurrently filed over the related U.S. Ser. 10/287,455 parent application.

No other fees are believed due at this time, however, please charge any deficiencies or credit any overpayments to deposit account number 12-0913 with reference to our attorney docket number (21416-94731).

Respectfully submitted,

BARNES & THORNBURG



Alice O. Martin

Attorney Registration No. 35,601

BARNES & THORNBURG LLP
P.O. Box 2786
Chicago, Illinois 60690-2786

Date: June 7, 2007